

Enhancing Indico

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Outline

Federated Authentication

Indico Groups

- Group Implementation

- LDAP Pros and Cons

- Local Indico Groups Pros and Cons

Indico Search Feature

Proposal

Federated Authentication

- ▶ Before going to ITD need:
 - ▶ Scope of providers for authentication
 - ▶ InCommon
 - ▶ CILogin
 - ▶ DOE OneID
 - ▶ Social media - Google, Facebook, LinkedIn, ...
 - ▶ When present to ITD, check if provider list can be expanded if a needed provider was missed
- ▶ User experience on first login:
 - ▶ When federated authentication email address matches existing local Indico account email address - links to local
 - ▶ When email addresses do not match - second account create and administrator needs to merge it with local Indico account

Indico Groups

- ▶ Need input from Category Managers as to how they want to use groups (>100 subcategories in Physics category)
- ▶ Assume they want:
 - ▶ Full collaboration group
 - ▶ Subgroup within the collaboration (committees, boards, etc)
 - ▶ Groups for Indico category managers
 - ▶ Groups for Indico users with "Event Creation" privilege
 - ▶ Possible other groups (input from users)
- ▶ Collaboration above means
 - ▶ Experiment collaboration
 - ▶ Group in a department
 - ▶ "Groups" for reviews, department committees, seminar series, etc.
- ▶ Individual accounts may be in multiple groups
- ▶ Would like method to delegate group membership management

Group Implementation

- ▶ Two options: Groups in external LDAP or local Indico groups
- ▶ LDAP - separate instance from existing servers since will contain users who are not eligible for a BNL account
 - ▶ Model after CERN's egroup system or "Grappa"
 - ▶ Server should accomodate more than just Indico groups
- ▶ Local Indico Groups
 - ▶ Built into Indico
 - ▶ Requires Administrator rights to manage

LDAP Pros and Cons

- ▶ Pros:
 - ▶ Should be applicable to services beyond Indico
 - ▶ Will be able to consolidate multiple sources
- ▶ Cons:
 - ▶ CERN's egroups is not portable, so will require work to implement a system at BNL
 - ▶ Likely to take a considerable effort to implement

Local Indico Groups Pros and Cons

- ▶ Pros:
 - ▶ Native to Indico
 - ▶ If give up delegation of group management can be immediately implemented
- ▶ Cons:
 - ▶ Requires Indico administrator rights to manage **or view**
 - ▶ If cannot get administrator rights, requires new code (Indico plugin at least) to allow for delegation of group membership management

Indico Search Feature

- ▶ Will be available in Indico version 3. Due out in April.

Proposal

- ▶ Have ITD enable Federated login to Indico after providing list of IDPs
- ▶ Have ITD create and populate Local Indico Groups (even with cons)
 - ▶ Investigate Indico plugin to enable delegation of group management if administrator rights do not get expanded
- ▶ Develop a general solution to handle group structure in Indico and other applications where groups are useful, such as a listserver.
- ▶ Migrate local Indico groups to the general solution when it is completed